



INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394
APPLICANTS Machado Jr. et al.	
FILING DATE	GROUP

		1		S. PATENT DOCUMENTS			,
EXAMINER NITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
UN	AA1 3,808,410		04/1974	04/1974 Schlesinger	235	156	
1	AB1	4,015,366	04/1977	Hall, III	47	1 0	A
	AC1	4,040,629	08/1977	Kelly	273	278	4CE
	AD1	4,218,755	08/1980	Root	364	900 (
	AE1	4,766,539	08/1988	Fox	364	491	4P 2 0 22
	AF1	4,784,150	11/1988	Voorhies et al.	128	GAR	100y
	AG1	5,063,506	11/1991	Brockwell et al.	364	402	UP 20
	AH1	5,128,861	07/1992	Kagami et al.	364	403	1 300
	Al1	5,128,862	07/1992	Mueller	364	405	†
$\overline{}$	AJ1	5,130,925	07/1992	Janes et al.	364	420	
- 1 .	AK1	5,140,523	08/1992	Frankel et al.	364	420	1
	AKI	3,140,023		IGN PATENT DOCUMENTS	1304	1420	
XAMINER VITIAL		DOCUMENT	DATE	COUNTRY	CLASS	SUB-	TRANSLATIO
	AL1	01-236396	09/1989	JP	G07G	1/14	
	AM1	01-259488	10/1989	JP	G07G	1/12	
	AN1	02-268396	11/1990	JP	G07G	1/14	
	AO1	02-299059	12/1990	JP	G06F .	15/20	
	AP1	04-077896	03/1992	JР	G07G	1/12	
		ОТ	HER (Including	Author, Title, Date, Pertinent	Pages, etc.)		
	AR	Banham, R 1 p. 14, col. 1	., "Reinsurers Se , line 1, col. 2, lin	eek Relief in Computer Predictione 29.	ons", August 1993, pp	. 14-16, 18-1	9, XP002082269,
\	AS	Best, D.L. a	and Pryor, S.P., A Entire Report sub	Air Weather Service Model Outpoint (October 1983).	out Statistics System i	Project Repo	rf, United States
	AT	Brennan, P Review, De	.J., "Portfolio Ma aler's Digest, pp.	nagers Weather Global Risk Mi . 20-22, 24, 54 and 56 (October	anagement Challenge 1989).	,* Wall Stree	t Computer
XAMINER	-7				DATE ÇOM	SIDERED	

::ODMAWHOOMA\SKGF_DC1;189198;1



Page 2 of 13

FORM PTO-1449

ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394
APPLICANTS Machado Jr. et al.	
FILING DATE	GROUP

XAMINER					1				
NITIAL/		DOC NUM	UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILIN	G DATE
W/	AA2	5,168	3,445	12/1992	Kawashima et al.	364	403	D~	
7 7	AB2	5,189	9,606	02/1993	Burns et al.	364	401	71/2	CE
	AC2	5,208	3,665	05/1993	McCalley et al.	358	86	Co	
	AD2	5,237	7,496	08/1993	Kagami et al.	364	401	OE P	200
	AE2	5,250	0,941	10/1993	McGregor et al.	340	825 63	200	20
	AF2	5,253	3,165	10/1993	Leiseca et al.	364	407	P	Pa
$\neg \tau$	AG2	5,283	3,865	02/1994	Johnson	395	161		~ 3€
7	AH2	5,295	5,064	03/1994	Malec et al.	364	401		
	Al2	5,295	5,069	03/1994	Hersey et al.	364	419.17		
	AJ2	1	9,355	05/1994	Lockwood	364	401		
	AK2	5,377	7,095	12/1994	Maeda et al.	364	401	1	
				FOREIG	N PATENT DOCUMENTS	*			
XAMINER NITIAL		DOC NUM	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRAI	SLATION
	AL2	04-13	35271	05/1992	JP	G06F	15/21		
	AM2	04-3	53970	12/1992	JP	G06F	15/24		
	AN2	05-18	B9406	07/1993	JP	G06F	15/20		
	AO2	06-07	76161	03/1994	JP	G07G	1/06		
	AP2	06-14	49833	05/1994	JP	G06F	15/21		
			ОТН	ER (Including Au	ithor, Title, Date, Pertinent P	ages, etc.)	- 	<u> </u>	į
	AR	<u>2</u>	Cave, T., "W 166 and 168	eather Service Is 169 (August 199	A Boon To System Dispatcher 1).	rs," Transmission &	Distribution,	Intertec,	рр. 165-
	AS	2	Demand Mod (August 1984	deling & Forecasti - Product Releas	ing System Product Descriptionse Date).	n, Printed from DIAL	OG File No.	256, 1 p	age
	AT	<u>2</u>	Down to Earl Product Rele	h Sales Analysis ase Date).	3.1 Product Description, Printe	ed from DIALOG File	9 No. 256, 1 p	oage (Ap	oril 1989 -
XAMINER	1	De				DATE CON	SIDERED 8/05	.	
XAMINER: In	itial if refe	rence c	onsidered, wh	ether or not citati	on is in conformance with MPI n next communication to Applic	EP 609. Draw line th	rough citatio	n if not i	n



	1130 0 01 13
ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394
APPLICANTS Machado Jr. et al.	
PILING DATE August 18, 2000	GROUP 3621

			U.	S. PATENT DOCUMENTS		_ _	
EXAMINER NITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
()\//	AA3	5,491,629	02/1996	Fox et al.	364	20	
910	AB3	5,521,813	05/1996	Fox et al.	364	401	FCEN
	AC3	5,796,932	08/1998	Fox et al.	395	161	- OFIV
	AD3	5,832,456	11/1998	Fox et al.	705	10	SEP 2 0 00
	AE3	6,021,402	02/2000	Takriti	705	412 35 G R	200
	AF3	6,418,417	07/2002	Corby et al.	705	35 GH	DIP
71	AG3	6,584,447	06/2003	Fox et al.	705	10	TUP JO
- A	AH3						
	AI3						
	AJ3						
	AK3					1	
	<u> </u>	<u></u>	FORI	IGN PATENT DOCUMENTS	•		
EXAMINER NITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL3						Yes No
	AM3						Yes
	. AN3						Yes
	AO3						Yes
	AP3						Yes
	<u> </u>	01	HER (Including	Author, Title, Date, Pertinent	t Pages, etc.)		<u> </u>
On.	AR			he After-Effects of Price-Relate earch Foundation, Vol. 34, No.			of Advertising
	AS	3 Engle, R.F 3, pp. 241	. et al., *Modellin 251 (April 1992).	g Peak Electricity Demand", Jo	ournal of Forecasting, J	John Wiley &	Sons, Vol. 11, No.
	AT	Gotschall, (September	Mary G., "Bullish er/October 1998)	on weather," <i>Electric Perspec</i>	tives, Washington, Vol	. 23, No. 5, p.	30, 8 pgs
XAMINER		120			DATE CON	SIDERED	。 。ン

Page 4 of 13



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394
APPLICANTS Machado Jr. et al.	·
FILING DATE	GROUP

			U.	S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLA	SS SUB- CLASS	FILING DATE
	AA4					7	
	AB4					UF	
	AC4						TE//2
	AD4	_				SE	
	AE4					GDA	~ y 2002
	AF4					וטייד	10
	AG4						3600
	AH4						000
	A14		1				
	AJ4	-					
	AK4						
			FOR	EIGN PATENT DOCUMENTS	3		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLA	SS SUB- CLASS	TRANSLATION
	AL4						Yes No
	AM4						Yes No
	AN4				. •		Yes No
	A04						Yes No
	AP4		 				Yes No
	<u> </u>	OTI	IFR (Including	Author, Title, Date, Pertine	nt Pages, etc.)		110
M	AR	Hunter, R.,	"Forecast for W	/eather Derivatives: Hot Deriv es.com/magazine/arrive/1998	atives Strategy," M	ay 1999, pp. 1-6, ; I, line 1p. 6, line	KP002133864, as 9.
	AS	4 Hurrell, M.,	The Weather E	Business," <i>Intercity</i> , pp. 29, 31	and 32 (February	1991).	
	AT	4 IMREX Der Product Re	nand Forecastin ease Date).	ng System Product Description	n, Printed from DIA	LOG File No. 256	. 1 page (1984 -
EXAMINER (2				DATE	CONSIDERED	
EXAMINER: Ini	tial if refe	rence considered, v	hether or not c	itation is in conformance with	MPEP 609. Draw		n if not in

::ODMAWHODMA\SKGF_DC1;169196;1

TRADEMA

Page 5 of 13

FORM PTO-1449

ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394	_
APPLICANTS Machado Jr. et al.		_
FILING DATE August 18, 2000	GROUP 3621	_

		.,	<u> </u>	S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA5						
	AB5					7	ECEU.
	AC5						LIVE
	AD5					•	SEP 2 0 and
	AE5					LGD.	10p 360
	AF5	<u> </u>				711	JUP 200
	AG5	_					. 00(
	AH5					- 	ļ
	AI5	 			· · · ·		ļ
	AJ5						
 	AK5	<u></u>					
	_	T	FOR	EIGN PATENT DOCUMENT	<u>s</u>		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL5						Yes
	AM5						Yes
	AN5						Yes
	AO5						No Yes
	AP5	<u> </u>					Yes
		0.	HER (Including	Author, Title, Date, Pertine	nt Pages, etc.)		No.
M	AR	5 Jensen, C 126-129 a	. and Anderson, nd 737-747 (199	L. Harvard Graphics: The Col 0).	mplete Reference, Osboi	me McGraw-	Hill, pp. 5, 16, 17,
	AS	5 Lucchetti,	A., "Cold Winter	On the Way? Some bet on it	i," Wall Street Journal, N	ovember 6, 1	997.
	AT	5 Conference	e on Artificial Int	Best: A Neutral Network Chall elligence for Applications, US 0-8186-3840-0, p. 445, col., 1	, Los Alamitos, IEEE Cor	mp. Soc. Pre	roceedings of the ss, 1993, pp. 445-
EXAMINER			·		DATE CON	SIDERED	
EXAMINER: In conformance ar	d not con	rence considered, sidered. Include c	whether or not copy of this form	itation is in conformance with with next communication to A	MPEP 609. Draw line the pplicant.		n if not in

Page 6 of 13

FORM	PTO-	14	45
------	------	----	----

ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394	
APPLICANTS Machado Jr. et al.		
FILING DATE August 18, 2000	GROUP 3621	

			υ	S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA6						FUEIVE
	AB6						SED .
	AC6						2 9 2003
	AD6					GR	Oup
	AE6	<u></u>				<u> </u>	40° 360
	AF6	<u> </u>					
	AG6						
	AH6						
	Al6						<u> </u>
	AJ6					+	<u> </u>
	AK6						<u> </u>
	- 	1	FOR	EIGN PATENT DOCUMENT	'S	T	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL6						Yes No
	AM6						Yes No
	AN6						Yes No
	AO6						Yes No
	AP6						Yes No
			THER (Including	Author, Title, Date, Pertine	ent Pages, etc.)		
AN	AR AS			uide, Microsoft Corporation, p	4,74	-	
- VANDES	AT	6 Mitchell, Performa	R. et al., "Where I ance," <i>Business W</i>	No Computer Has Gone Befo /eek, McGraw-Hill, pp. 80-84	and 88 (November 25, 19	991).	nises Unparalleled
EXAMINER	//				DATE CON	11600	5.
EXAMINER: Init conformance and ODMAWHODMASKGF_DO	d not con	rence considered sidered. Include	d, whether or not copy of this form	Itation is in conformance with with next communication to A	MPEP 609. Draw line the pplicant.	frough citation	n if not in

Page 7 of 13



FORM PTO-1449

ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394
APPLICANTS Machado Jr. et al.	
FILING DATE August 18, 2000	GROUP 3621

				U.S.	PATENT DOCUM	MENTS			
EXAMINER INITIAL		DOCUMEN NUMBER	it c	PATE	NAME		CLASS	SUB- CLASS	FILING DATE
	AA7							Dr	-
	AB7							112	CEIVE
	AC			_				12	
	AD7							,	2 9 2003
	AE7							GRC	
	AF7							3.110	UP 360
	AG7								
····	AH7								
	AI7								
	AJ7			*****					•
-	AK7			-		. <u></u>			<u> </u>
		, , , ,		FORE	GN PATENT DOC	UMENTS			,
EXAMINER INITIAL		DOCUMEN NUMBER	IT	ATE	COUNTRY		CLASS	SUB- CLASS	TRANSLATION
	AL7								Yes No
	AM7					· · ·			Yes No
51	AN7	1							Yes No
	A07								Yes
	AP7					······································			No Yes
		J	OTHER	/Including A	wher Title Dete	, Pertinent Pages,	-4- \	<u> </u>	No.
my	AR	7 "Grap pages	ins of Options of the i	on Pricing Teo Black Scholes	chniques," "The BI Model," as printe	ack and Scholes Models of from http://bradley	odel," "The Bla v.bradley.edu/.	about.arr/bsm	, April 9, 1997, (8
	AS	7 Schw 21 (A	artz, S., "N pril 1996). 	Modeling tools	aid in finacial risk	management," Inst	urance & Tech	nology, Vol. 2	1, No. 4, pp. 20-
	АТ		G., "A Calo	culus of Risk,"	Scientific America	an, pp. 92-97 (May			
EXAMINER	(1	1			· · · · · · · · · · · · · · · · · · ·		DATE CON	0/1/207.	
EXAMINER: In conformance a community conformation and community community conformation and community conformation and conformation and community conformation and conformation a	nd not con	rence conside sidered. Inclu	ered, whet ude copy o	her or not cita of this form wit	tion is in conforma h next communica	nce with MPEP 609 tion to Applicant.	Draw line th	nrough citation	if not in

Page 8 of 13



FORM PTO-1449

ATTY. DOCKET NO.	APPLICATION NO.
1481.0240000	09/641,394
APPLICANTS Machado Jr. et al.	
FILING DATE	GROUP
August 18, 2000	3621

				U	S. PATENT DOCUMENT	S			
EXAMINER INITIAL			CUMENT MBER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE
	AA8	1						† 	1
	AB8	1							
	AC8	1						TRE	*
	AD8	1							CENTE
	AE8	1						SF	P
	AF8						<u> </u>	0	2 9 2002
	AG8							PHO	In
	AH8								77 360c
	Al8								000
	AJ8								
	AK8								
				FOR	EIGN PATENT DOCUME	NTS			
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	·	CLASS	SUB- CLASS	TRANSLATION
	AL8								Yes No
	AM8								Yes No
	AN8	1						+	Yes
	AO8	+-					 	+	No Yes
	AP8	+					-		No Yes
							Ļ		No
			Т	HER (Including	Author, Title, Date, Pert	tinent Pages, etc	c.)		
gry	AR	<u>8</u>	Studwell, A XP0008982	., "Weather Der 22, p. 36, col. 1,	rivatives," <i>11th Conference</i> line 1-p. 40, col. 1, line 33	on Applied Clima 3.	atology, Jar	nuary 10-15, 1	999, рр. 36-40,
	AS	<u>8</u>	The Weath	er Initiative, (Bro	ochure), The Met Office, 2:	:3 pages (1990).			
	AT	<u>8</u>	Turvey, C. oprinted from	G., "Weather Do	erivatives and Specific Eve lib.umn.edu/aaea99/sp99/s	/sp99/tu02.pdf>, p	p. 2, line 1,	p. 8, line 2.	·
EXAMINER		フ_		 2_/		C	DATE CON	SIDERED	
FXAMINER: I	nitial if refe	erence	considered.	whether or not c	citation is in conformance v	with MPEP 609.	Draw line ti	hrough citation	if not in
conformance a	ind not cor	nsidere	d. Include co	ppy of this form	with next communication to	o Applicant.			





ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394
APPLICANTS Machado Jr. et al.	
FILING DATE August 18, 2000	GROUP . 3621

				U.S.	PATENT DOCUMENTS				
EXAMINER INITIAL			CUMENT MBER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE
	AA9	1						Dn	
	AB9	1					Ī	1150	F1:
	AC9			T				<u></u>	FIVEN
·	AD9			T		-		SEP 2	-U
	AE9						G	POUL	2003
	AF9						<u> </u>		2
	AG9								3600
	AH9								90
	AI9								
	AJ9]					
	AK9								
				FORE	GN PATENT DOCUMENTS	S			······
EXAMINER INITIAL		DOC	CUMENT MBER	DATE	COUNTRY		CLASS	SUB- CLASS	TRANSLATION
	AL9								Yes No
	AM9								Yes No
	AN9						1		Yes No
	AO9		 						Yes
	AP9	 		- 			<u> </u>		No Yes
		Ь						<u> </u>	No
<u> </u>			OTH	ER (Including A	uthor, Title, Date, Pertine	nt Pages, e	tc.)		
gry	AR	91	Turvey, Calo American Ag	um, "Weather Dei gricultural Econor	rivatives for Specific Event I	Risks in Agı lo. 2, pp. 33	riculture," Re 3-51 (Spring.	view of Agricu /Summer 200	ultural Economics, 1).
	AS	9	Upbin, B., "6	Betting against Go	od, " Forbes , Vol. 162, No. 1	, p. 108(1)	(July 6, 1998).	
	AT	9	English-lang Page (Septe	uage Abstract of ember 21, 1989 -	Japanese Patent Publication Date of publication of applic	on No. 01-2: cation).	36396, from <i>l</i>	http://www1.ip	odl.jpo.go.jp, 1
EXAMINER	2	/_	2				DATE CONS	SIDERED	
EXAMINER: In conformance ar	itial if refe	rence sidere	considered, w d. Include co	hether or not cita by of this form wit	tion is in conformance with h next communication to Ap	MPEP 609.	Draw line th	rough citation	if not in

Page 10 of 13



FORM PTO-1449

ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394
APPLICANTS Machado Jr. et al.	
FILING DATE	GROUP

				U.	S. PATENT DOCUMENTS	S			
EXAMINER INITIAL			CUMENT MBER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE
	AA9							REC	
	AB9							115	Ella
	AC9	T_{-}						CC	VED
	AD9								
	AE9			T			G	ROL	2003
	AF9			T				TOU	P 20
	AG9								3600
	AH9								
	Al9								
	AJ9								
	AK9								
				FORE	EIGN PATENT DOCUME	NTS			
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY		CLASS	SUB- CLASS	TRANSLATION
	AL9								Yes No
	AM9								Yes No
	AN9								Yes No
	AO9								Yes No
	AP9	1							Yes
	_1		ОТЬ	IER (Including	Author, Title, Date, Perti	Inent Pages, etc.)		J	No
gn	AR	<u>10</u>	English-land	quage Abstract o	of Japanese Patent Public ate of publication of applic	ation No. 01-2594		ttp://www1.ip	dl.jpo.go.jp, 1
	AS	<u>10</u>	English-lang Page (Nove	juage Abstract c mber 2, 1990 - I	of Japanese Patent Public Date of publication of appl	ation No. 02-2683: ication).	96, fram <i>ht</i>	ttp://www1.ip	dl.jpo.go.jp, 1
V	AT	<u>10</u>	English-lang Page (Dece	juage Abstract c mber 11, 1990 -	of Japanese Patent Public Date of publication of app	plication).			dl.jpo.go.jp, 1
EXAMINER	1	1		•		DA	TE GOVISI	Zeo 5	
EXAMINER: In conformance ar	itial if refe	rence on sidere	considered, w d. Include co	hether or not cit	tation is in conformance with next communication to	ith MPEP 609 Dr			if not in

Page 11 of 13



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

		 O.	
ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394		
APPLICANTS Machado Jr. et al.			
FILING DATE	GROUP		

				U	S. PATENT DOCUMENTS				
EXAMINER INITIAL			CUMENT MBER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE
	AA9		-					1	
	AB9							Rr-	
	AC9							C	EHICA
	AD9							550	9 2003
	AE9							LACE S	9 200
	AF9						G	ROLL	<003
	AG9								200
	AH9								OUO
	AI9								
	AJ9								
	AK9								
				FOR	EIGN PATENT DOCUMENT	rs			
EXAMINER INITIAL	-		CUMENT MBER	DATE	COUNTRY		CLASS	SUB- CLASS	TRANSLATION
	AL9								Yes No
	AM9								Yes No
	AN9								Yes No
	AO9								Yes
<u></u>	AP9	†							No Yes
	<u></u>	<u> </u>							No.
	1 "1	1	<u>отн</u>	IER (Including	Author, Title, Date, Pertino	ent Pages, etc	<u>.) </u>		
gny	AR	<u>11</u>	English-lang Page (Marci	juage Abstract h 11, 1992 - Da	of Japanese Patent Publicat ate of publication of application	tion No. 04-077 on).	896, from <i>h</i>	ttp://www1.ip	dl.jpo.go.jp, 1
	AS	11	English-lang Page (May 8	juage Abstract 3, 1992 - Date	of Japanese Patent Publicat of publication).	ion No. 04-135	271, from <i>h</i>	ttp://www1.ip	dl.jpo.go.jp, 1
	AT	<u>11</u>	English-lang Page (Dece	mber 8, 1992 -	of Japanese Patent Publication of application of applications are applications.	ion No. 04-353 atlon).	970, from <i>h</i>	ttp://www1.ip	dl.jpo.go.jp, 1
EXAMINER		1		>		D	ATE CONS	DERED	-
EXAMINER: In	Itiar If refe	rence	considered, w	hether or not c	itation is in conformance with				if not in

conformance and not considered. Include copy of this form with next communication to Applicant.





ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394
APPLICANTS Machado Jr. et al.	
FILING DATE August 18, 2000	GROUP 3621

U.S. PATENT DOCUMENTS										
EXAMINER INITIAL		DOC NUM	UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA9					. [_	REC	į		
	AB9				_			EIVED		
	AC9						SEP.			
	AD9							9 2003		
	AE9									
	AF9						001	360n		
	AG9							900		
	AH9									
	AI9									
	AJ9									
	AK9									
				FOREIGN	PATENT DOCUMENTS					
EXAMINER INITIAL		DOC NUM	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL9		·					Yes No		
-	АМ9							Yes No		
	AN9							Yes No		
	AO9				· · · · · · · · · · · · · · · · · · ·			Yes No		
	AP9	-						Yes		
	<u> </u>	1	OTUE	ED (lockeding Aut	hor Title Date Portinent Bases	ote \	<u></u>	No		
Opp	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR 12 English-language Abstract of Japanese Patent Publication No. 05-189406, from http://www1.lpdl.jpo.go.jp, 1 Page (July 30, 1993 - Date of publication of application).									
	AS	<u>12</u>	English-language Abstract of Japanese Patent Publication No. 06-076161, from http://www1.ipdl.jpo.go.jp, 1 Page (March 18, 1994 - Date of publication of application).							
	АТ	<u>12</u>	English-language Abstract of Japanese Patent Publication No. 06-149833, from http://www1.ipdl.jpo.go.jp, 1 Page (May 31, 1994 - Date of publication of application).							
EXAMINER		1	2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		DATE CONS	IDERED 5	,		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in										



Page 13 of 13

FORM PTO-1449

ATTY. DOCKET NO. 1481.0240000	APPLICATION NO. 09/641,394				
APPLICANTS Machado Jr. et al.					
FILING DATE	GROUP				

				U.	S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOC	CUMENT MBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA9						RF	he.
	AB9						11	PEIVE
	AC9						SE	
	AD9							2 9 2003
	AE9	↓					GRO	
	AF9							Pr 3600
	AG9	 					<u> </u>	
	AH9						<u> </u>	
	AI9	↓						
	AJ9	<u> </u>					ļ	
	AK9			<u> </u>			<u> </u>	
				FOR	EIGN PATENT DOCUMENT	S		
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
-	AL9							Yes No
	AM9			1100				Yes No
	AN9							Yes
	AO9						 	No Yes
	AP9							No Yes
 			ОТ	 HER (Including	Author, Title, Date, Pertine	ent Pages, etc.)		No
9W	AR	<u>13</u>		- 	ch Report from PCT Appl. No	100	es, mailed Ju	n. 4 , 2000.
	AS	<u>13</u>						!
	АТ	<u>13</u>						
EXAMINER	4	7				DATE CONS	IDERED	-
EXAMINER: In conformance a	nitial if refe	rence o	considered, v	whether or not copy of this form	itation is in conformance with with next communication to A	MPEP 609 Draw line th		if not in